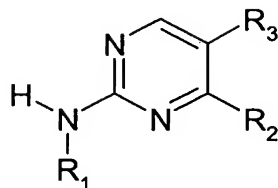


## CLAIMS

We Claim:

1. A compound of the following formula (I):

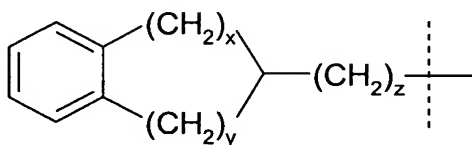


(I)

wherein:

$R_1$  is  $C_{1-8}$ alkyl,  $C_{3-7}$ cycloalkyl,  $C_{3-7}$ cycloalkyl- $C_{1-8}$ alkyl, naphthyl, quinoliny, aryl- $C_{1-8}$ alkyl, or heteroaryl- $C_{1-8}$ alkyl, wherein in each of the  $C_{1-8}$ alkyl groups a methylene group may optionally be replaced by  $-NHC(O)-$  or  $-C(O)NH-$ , and wherein each of the  $C_{1-8}$ alkyl groups is optionally substituted by an oxo group or one or more  $C_{1-3}$ alkyl groups wherein two alkyl substituents on the same carbon atom of a  $C_{1-8}$ alkyl group may optionally be combined to form a  $C_{2-5}$  alkylene bridge, and wherein the aryl group is optionally substituted on adjacent carbon atoms by a  $C_{3-6}$ alkylene bridge group wherein a methylene group is optionally replaced by an oxygen,  $-S-$ ,  $-S(O)-$ ,  $-SO_2-$  or  $-N(R_6)-$ ;

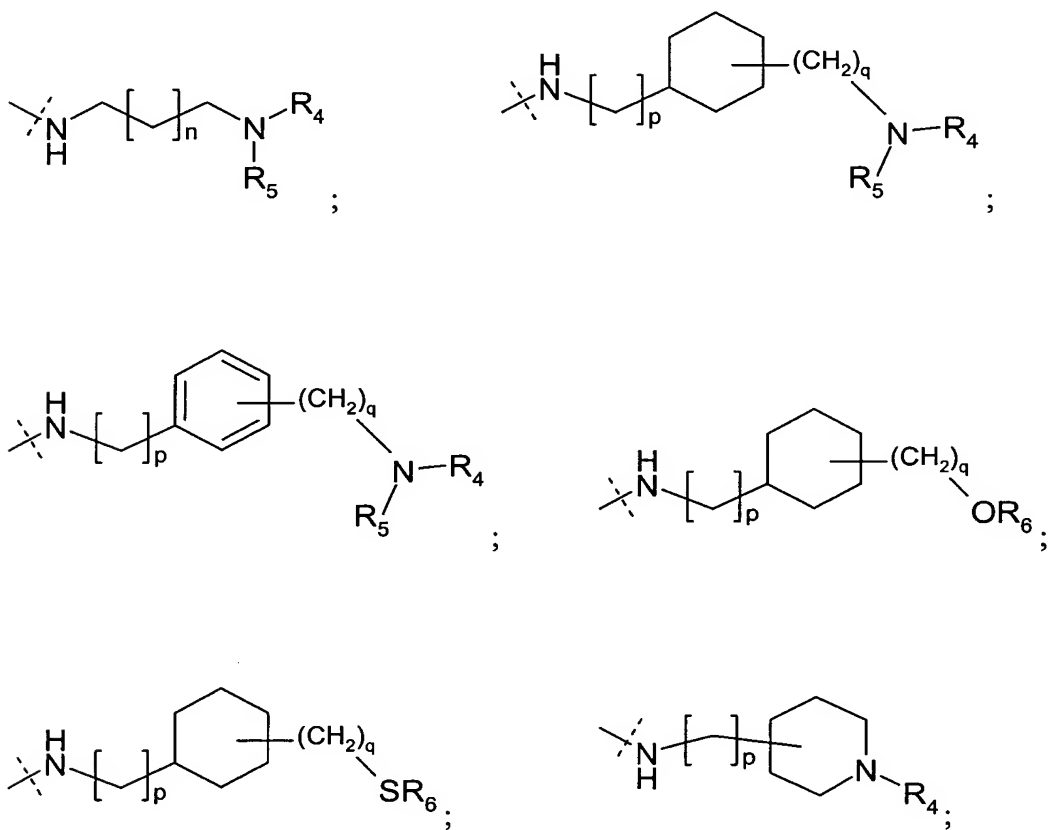
or  $R_1$  has the following structure:

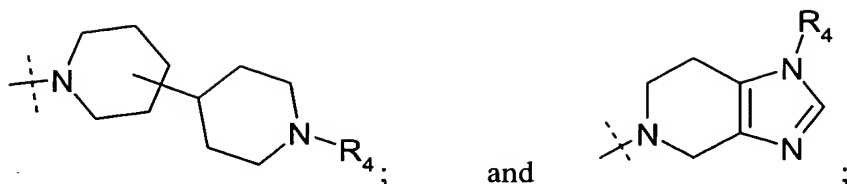


wherein  $x$  and  $y$  are independently 0, 1, 2, 3 or 4, provided that  $x+y$  is 2 to 4,  $z$  is 0, 1 or 2, and one or two  $CH_2$  groups in the ring may optionally be replaced by  $-O-$ ,  $-S-$ ,  $-S(O)-$ ,  $-SO_2-$  or  $-N(R_6)-$ ;

wherein each  $R_1$  group is optionally substituted by one or more of the following groups:  $C_{1-6}$ alkyl,  $C_{3-6}$ cycloalkyl, halogen, nitro, hydroxy,  $C_{1-6}$ alkyloxy,  $C_{1-6}$ alkylthio, aryl, aryl $C_{1-6}$ alkyl, aryloxy, arylthio, aminosulfonyl, or amino optionally substituted by one or two  $C_{1-6}$ alkyl groups, wherein each aryl group is optionally substituted by one or more  $C_{1-6}$ alkyl, halogen, nitro, hydroxy or amino optionally substituted by one or two  $C_{1-6}$ alkyl groups, and wherein in each of the  $C_{1-6}$ alkyl groups a methylene group may optionally be replaced by  $-NHC(O)-$  or  $-C(O)NH-$ , and wherein each of the  $C_{1-6}$ alkyl groups is optionally substituted by one or more halogens;

$R_2$  is selected from the following groups:





wherein:

$n$  is an integer from 3 to 8;

$p$  is an integer from 1 to 3;

$q$  is an integer from 0 to 3;

$R_4$  and  $R_5$  are each independently selected from hydrogen,  $C_{1-6}$ alkyl, aryl $C_{1-6}$ alkyl, or amidino, wherein each aryl group is optionally substituted by one or more  $C_{1-6}$ alkyl, halogen, nitro, hydroxy or amino optionally substituted by one or two  $C_{1-6}$ alkyl groups, and wherein each of the  $C_{1-6}$ alkyl groups is optionally substituted by one or more halogens, and wherein the amidino is optionally substituted by one to three  $C_{1-6}$ alkyl;

$R_6$  is hydrogen or  $C_{1-6}$ alkyl;

wherein each  $R_2$  group is optionally substituted by one or more  $C_{1-6}$ alkyl,  $C_{1-6}$ alkoxy, CN, -OH, -NH<sub>2</sub> or halogen;

$R_3$  is halogen, cyano, nitro,  $C_{1-6}$ alkyl,  $C_{1-6}$ alkyloxycarbonyl or aminocarbonyl, wherein each of the  $C_{1-6}$ alkyl groups is optionally substituted by one or more halogens;

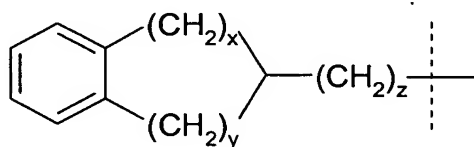
or a tautomer, pharmaceutically acceptable salt, solvate, or amino-protected derivative thereof,

with the proviso that the specific compounds of U.S. Patent Application Publication No. 2003/0171359 A1 are excluded.

2. A compound of formula (I) according to claim 1, wherein:

R<sub>1</sub> is aryl-C<sub>1-4</sub>alkyl or heteroaryl-C<sub>1-4</sub>alkyl, wherein in each of the C<sub>1-4</sub>alkyl groups a methylene group may optionally be replaced by -NHC(O)- or -C(O)NH-, and wherein each of the C<sub>1-4</sub>alkyl groups is optionally substituted by an oxo group or one or more C<sub>1-3</sub>alkyl groups wherein two alkyl substituents on the same carbon atom of a C<sub>1-4</sub>alkyl group may optionally be combined to form a C<sub>2-5</sub> alkylene bridge, and wherein the aryl group is optionally substituted on adjacent carbon atoms by a C<sub>3-6</sub>alkylene bridge group wherein a methylene group is optionally replaced by an oxygen, sulfur or -N(R<sub>6</sub>)-;

or R<sub>1</sub> has the following structure:

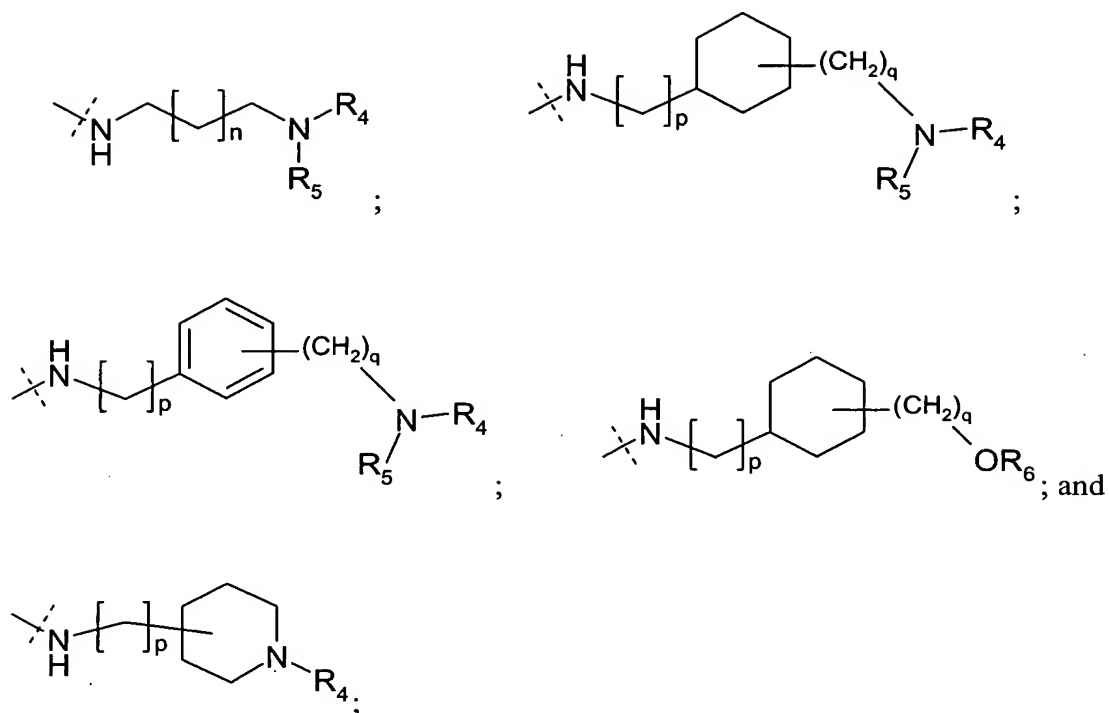


wherein x and y are independently 0, 1, 2 or 3, provided that x+y is 2 to 3, and z is 0 or 1;

wherein "heteroaryl" is defined as pyridyl, furyl, thienyl, pyrrolyl, imidazolyl, or indolyl;

wherein each R<sub>1</sub> group is optionally substituted by one or more of the following groups: C<sub>1-6</sub>alkyl, Cl, Br, F, nitro, hydroxy, CF<sub>3</sub>, -OCF<sub>3</sub>, -OCF<sub>2</sub>H, -SCF<sub>3</sub>, C<sub>1-4</sub>alkyloxy, C<sub>1-4</sub>alkylthio, phenyl, benzyl, phenyloxy, phenylthio, aminosulfonyl, or amino optionally substituted by one or two C<sub>1-3</sub>alkyl groups;

R<sub>2</sub> is selected from the following groups:



wherein:

n is an integer from 5 to 7;

p is an integer from 1 to 2;

q is an integer from 1 to 2;

R<sub>4</sub> and R<sub>5</sub> are each independently selected from hydrogen, C<sub>1-6</sub>alkyl, arylC<sub>1-6</sub>alkyl, or amidino;

R<sub>6</sub> is hydrogen;

R<sub>3</sub> is Br, Cl, F, cyano or nitro;

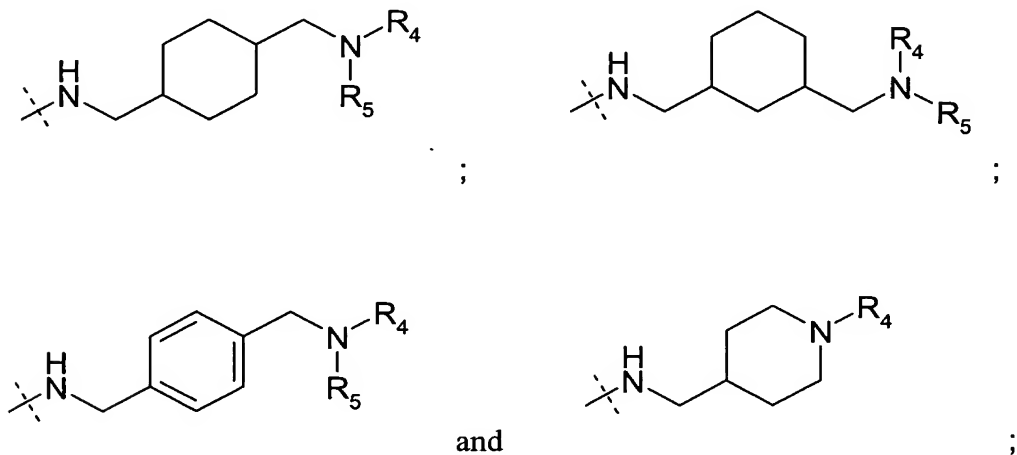
or a tautomer, pharmaceutically acceptable salt, solvate, or amino-protected derivative thereof;

3. A compound of formula (I) according to claim 1, wherein:

R<sub>1</sub> is phenyl-C<sub>1-4</sub>alkyl or naphthylC<sub>1-2</sub>alkyl,

wherein each R<sub>1</sub> group is optionally substituted by one or more of the following groups: methyl, Cl, Br, F, nitro, hydroxy, CF<sub>3</sub>, -OCF<sub>3</sub>, -SCF<sub>3</sub>, C<sub>1-4</sub>alkyloxy or C<sub>1-4</sub>alkylthio;

R<sub>2</sub> is selected from the following groups:



wherein:

R<sub>4</sub> and R<sub>5</sub> are each independently selected from hydrogen, C<sub>1-3</sub> alkyl, or amidino;

R<sub>3</sub> is Br, Cl, cyano or nitro;

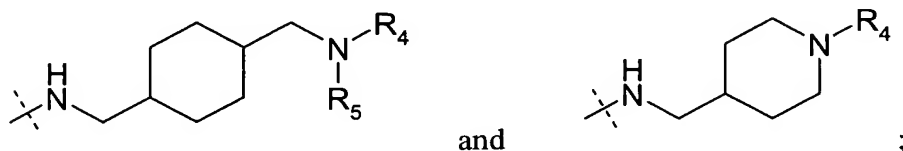
or a tautomer, pharmaceutically acceptable salt, solvate, or amino-protected derivative thereof;

4. A compound of formula (I) according to claim 1, wherein:

R<sub>1</sub> is phenylCH<sub>2</sub>-

wherein the phenyl group is optionally substituted by one or more of the following groups: methyl, Cl, Br, F, nitro, hydroxy, CF<sub>3</sub>, -OCF<sub>3</sub>, -SCF<sub>3</sub>, C<sub>1-4</sub>alkyloxy or C<sub>1-4</sub>alkylthio;

R<sub>2</sub> is selected from the following groups:



R<sub>3</sub> is nitro;

R<sub>4</sub> and R<sub>5</sub> are each independently selected from hydrogen, methyl, or amidino;

or a tautomer, pharmaceutically acceptable salt, solvate, or amino-protected derivative thereof.

5. A compound according to claim 1 selected from:

ethyl 4-({[4-(aminomethyl)cyclohexyl]methyl}amino)-2-[(2-chlorobenzyl)amino]pyrimidine-5-carboxylate;

*N*<sup>4</sup>-{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro-*N*<sup>2</sup>-[(2*R*)-1,2,3,4-tetrahydronaphthalen-2-yl]pyrimidine-2,4-diamine;

*N*<sup>4</sup>-{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro-*N*<sup>2</sup>-[(2*S*)-1,2,3,4-tetrahydronaphthalen-2-yl]pyrimidine-2,4-diamine;

*N*<sup>4</sup>-{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro-*N*<sup>2</sup>-[(1*R*)-1,2,3,4-tetrahydronaphthalen-1-yl]pyrimidine-2,4-diamine;

*N*<sup>4</sup>-{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro-*N*<sup>2</sup>-[(1*S*)-1,2,3,4-tetrahydronaphthalen-1-yl]pyrimidine-2,4-diamine;

*N*<sup>4</sup>-{[4-(aminomethyl)cyclohexyl]methyl}-*N*<sup>2</sup>-[2-(4-chlorophenyl)ethyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(2-methylphenyl)ethyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(3-methylphenyl)ethyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(4-methylphenyl)ethyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(2-fluorophenyl)ethyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(3-fluorophenyl)ethyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(4-fluorophenyl)ethyl]-5-nitropyrimidine-2,4-diamine;

$N^2$ -(2-aminobenzyl)- $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(3,5-dimethoxybenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[3,5-bis(trifluoromethyl)benzyl]-5-nitropyrimidine-2,4-diamine;

{3-[(2-[(2-chlorobenzyl)amino]-5-nitropyrimidin-4-yl)amino]methyl}phenyl}methane amine;

2-([4-([4-(aminomethyl)cyclohexyl]methyl)amino]-5-nitropyrimidin-2-yl)amino}methyl}phenol;

$N^2$ -(5-amino-2-chlorobenzyl)- $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitropyrimidine-2,4-diamine;

4-([4-(aminomethyl)cyclohexyl]methyl)amino)-2-[(2-chlorobenzyl)amino]pyrimidine-5-carboxamide;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-chlorobenzyl)-5-fluoropyrimidine-2,4-diamine;



3-({[4-({[4-(aminomethyl)cyclohexyl]methyl}amino)-5-nitropyrimidin-2-yl]amino}methyl)-N-[2-(2-methylphenyl)ethyl]benzamide;

(1S,2R)-2-({[4-({[4-(aminomethyl)cyclohexyl]methyl}amino)-5-nitropyrimidin-2-yl]amino}methyl)cyclohexanol;

(1R,2R)-2-({[4-({[4-(aminomethyl)cyclohexyl]methyl}amino)-5-nitropyrimidin-2-yl]amino}methyl)cyclohexanol;

methyl 4-({[4-(aminomethyl)cyclohexyl]methyl}amino)-2-[(2-chlorobenzyl)amino]pyrimidine-5-carboxylate;

4-{[4-({[4-(aminomethyl)cyclohexyl]methyl}amino)-5-nitropyrimidin-2-yl]amino}-N-[2-(2-methylphenyl)ethyl]butanamide;

5-{[4-({[4-(aminomethyl)cyclohexyl]methyl}amino)-5-nitropyrimidin-2-yl]amino}-N-[2-(2-methylphenyl)ethyl]pentanamide;

6-{[4-({[4-(aminomethyl)cyclohexyl]methyl}amino)-5-nitropyrimidin-2-yl]amino}-N-[2-(2-methylphenyl)ethyl]hexanamide;

(1R,3R)-3-({[4-({[4-(aminomethyl)cyclohexyl]methyl}amino)-5-nitropyrimidin-2-yl]amino}methyl)-4,4-dimethylcyclohexanol;

N<sup>4</sup>-(4-*cis*-[(dimethylamino)methyl]cyclohexyl)methyl)-N<sup>2</sup>-(1-naphthylmethyl)-5-nitropyrimidine-2,4-diamine;

N<sup>2</sup>-[2-(methylthio)benzyl]-5-nitro-N<sup>4</sup>-(piperidin-4-ylmethyl)pyrimidine-2,4-diamine;

5-nitro-N<sup>4</sup>-(piperidin-4-ylmethyl)-N<sup>2</sup>-{2-[(trifluoromethyl)thio]benzyl}pyrimidine-2,4-diamine;

N<sup>2</sup>-(1-naphthylmethyl)-5-nitro-N<sup>4</sup>-(piperidin-4-ylmethyl)pyrimidine-2,4-diamine;

N<sup>4</sup>-(4-[(dimethylamino)methyl]cyclohexyl)methyl)-N<sup>2</sup>-[2-(methylthio)benzyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -({4-[(dimethylamino)methyl]cyclohexyl}methyl)-5-nitro- $N^2$ -{2-[(trifluoromethyl)thio]benzyl}pyrimidine-2,4-diamine;

$N^4$ -({4-[(dimethylamino)methyl]cyclohexyl}methyl)- $N^2$ -(1-naphthylmethyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{4-[(dimethylamino)methyl]benzyl}- $N^2$ -[2-(methylthio)benzyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{4-[(dimethylamino)methyl]benzyl}-5-nitro- $N^2$ -{2-[(trifluoromethyl)thio]benzyl}pyrimidine-2,4-diamine;

$N^4$ -{4-[(dimethylamino)methyl]benzyl}- $N^2$ -(1-naphthylmethyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -[(1-methylpiperidin-4-yl)methyl]- $N^2$ -[2-(methylthio)benzyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -[(1-methylpiperidin-4-yl)methyl]-5-nitro- $N^2$ -{2-[(trifluoromethyl)thio]benzyl}pyrimidine-2,4-diamine;

$N^4$ -[(1-methylpiperidin-4-yl)methyl]- $N^2$ -(1-naphthylmethyl)-5-nitropyrimidine-2,4-diamine;

$N^2$ -(2-chlorobenzyl)- $N^4$ -[(1-methylpiperidin-4-yl)methyl]-5-nitropyrimidine-2,4-diamine;

$N^2$ -(2-methoxybenzyl)- $N^4$ -[(1-methylpiperidin-4-yl)methyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-methoxybenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -[2-(trifluoromethyl)benzyl]pyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,4-dichlorobenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(3-methoxybenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[4-fluoro-2-(trifluoromethyl)benzyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(3-methylbenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -(pyridin-2-ylmethyl)pyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(3-chlorobenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(4-chlorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(4-bromobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,4-dimethoxybenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-chloro-5-(trifluoromethyl)benzyl]-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,5-dichlorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -[2-(trifluoromethoxy)benzyl]pyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-chloro-6-methylbenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,3-dichlorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-furylmethyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -(thien-2-ylmethyl)pyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-chlorobenzyl)-5-methylpyrimidine-2,4-diamine;  
 $N^4$ -(6-aminoheptyl)- $N^2$ -(2-chlorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -[4-(aminomethyl)benzyl]- $N^2$ -(2-chlorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -(7-aminoheptyl)- $N^2$ -(2-chlorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[3-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-chlorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(1-methyl-1-phenylethyl)-5-nitropyrimidine-2,4-diamine;  
4-(4,4'-bipiperidin-1-yl)- $N$ -(2-chlorobenzyl)-5-nitropyrimidin-2-amine;  
 $N^2$ -(2-chlorobenzyl)- $N^4$ -(4-[(dimethylamino)methyl]cyclohexyl)methyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,5-difluorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[4-(difluoromethoxy)benzyl]-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-ethoxybenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -[(1S)-1-phenylethyl]pyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-methylbenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-fluorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(3-chloro-2-fluorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -(4-pentylbenzyl)pyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(4-butoxybenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,3-dimethoxybenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,5-dimethoxybenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^2$ -(2-chlorobenzyl)- $N^4$ -[7-(dimethylamino)heptyl]-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(1,1'-biphenyl-2-ylmethyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(4-fluorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,4-difluorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(3-fluoro-4-methylbenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,3-difluorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-bromo- $N^2$ -(2-chlorobenzyl)pyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,6-dimethoxybenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,6-difluorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-fluoro-3-(trifluoromethyl)benzyl]-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(4-chloro-2-fluorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -(1-phenylcyclopropyl)pyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[1-(2-chlorophenyl)-1-methylethyl]-5-nitropyrimidine-2,4-diamine;

- $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,3-dihydro-1-benzofuran-5-ylmethyl)-5-nitropyrimidine-2,4-diamine;
- $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[(1,5-dimethyl-1H-pyrrol-2-yl)methyl]-5-nitropyrimidine-2,4-diamine;
- $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-bromobenzyl)-5-nitropyrimidine-2,4-diamine;
- $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,3-dimethylbenzyl)-5-nitropyrimidine-2,4-diamine;
- $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,4-dimethylbenzyl)-5-nitropyrimidine-2,4-diamine;
- $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,5-dimethylbenzyl)-5-nitropyrimidine-2,4-diamine;
- $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-fluoro-5-(trifluoromethyl)benzyl]-5-nitropyrimidine-2,4-diamine;
- $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(methylthio)benzyl]-5-nitropyrimidine-2,4-diamine;
- $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -{2-[(trifluoromethyl)thio]benzyl}pyrimidine-2,4-diamine;
- $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(3-fluorobenzyl)-5-nitropyrimidine-2,4-diamine;
- $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(6-chloro-2-fluoro-3-methylbenzyl)-5-nitropyrimidine-2,4-diamine;
- $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-chloro-6-fluoro-3-methylbenzyl)-5-nitropyrimidine-2,4-diamine;
- $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -2-naphthyl-5-nitropyrimidine-2,4-diamine;
- $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(1-naphthylmethyl)-5-nitropyrimidine-2,4-diamine;
- $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-fluoro-4-(trifluoromethyl)benzyl]-5-nitropyrimidine-2,4-diamine;
- $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(4-chloro-2-methylbenzyl)-5-nitropyrimidine-2,4-diamine;
- $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(5-chloro-2-methylbenzyl)-5-nitropyrimidine-2,4-diamine;
- $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(3-chloro-2-methylbenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[5-fluoro-2-(trifluoromethyl)benzyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(5-chloro-2-fluorobenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,3-difluoro-4-methylbenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(5-fluoro-2-methylbenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -1-naphthyl-5-nitropyrimidine-2,4-diamine;

{4-*trans*-[(2-[(2-chlorobenzyl)amino]-5-nitropyrimidin-4-yl)amino)methyl]cyclohexyl}methanol;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-bromo- $N^2$ -(2,5-dichlorobenzyl)pyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-bromo- $N^2$ -(2,4-dichlorobenzyl)pyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-bromo- $N^2$ -(2-bromobenzyl)pyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(cyclohexylmethyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-naphthylmethyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-bromo- $N^2$ -[2-(trifluoromethoxy)benzyl]pyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-bromo- $N^2$ -[2-(trifluoromethyl)benzyl]pyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(difluoromethoxy)benzyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[3-(difluoromethoxy)benzyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-chloro-4-fluorobenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-chloro-3,6-difluorobenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -(2,3,5-trifluorobenzyl)pyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -(2,3,4,5-tetrafluorobenzyl)pyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -[(1R)-1-phenylethyl]pyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -2,3-dihydro-1H-inden-2-yl-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[(1S)-2,3-dihydro-1H-inden-1-yl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[(1R)-2,3-dihydro-1H-inden-1-yl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(4-chloro-1-naphthyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(4-methoxy-2-naphthyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -quinolin-6-ylpyrimidine-2,4-diamine;

$N^4$ -{[4-*trans*-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,5-dichlorobenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-*trans*-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,3-dichlorobenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(2-chlorophenyl)ethyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(3-chlorophenyl)ethyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-chloro-6-phenoxybenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-bromo- $N^2$ -2-naphthylpyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-bromo- $N^2$ -(1-naphthylmethyl)pyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -(pyridin-3-ylmethyl)pyrimidine-2,4-diamine;

4-([4-(aminomethyl)cyclohexyl]methyl)amino)-2-[(2-chlorobenzyl)amino]pyrimidine-5-carbonitrile;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[4-(dimethylamino)benzyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-*trans*-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-bromobenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -(7-aminoheptyl)- $N^2$ -(2-bromobenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -(7-aminoheptyl)- $N^2$ -(2,5-dichlorobenzyl)-5-nitropyrimidine-2,4-diamine;

$N$ -({4-[(2-[(2-chlorobenzyl)amino]-5-nitropyrimidin-4-yl)amino]methyl}cyclohexyl)methyl)guanidine;

$N^2$ -(3-aminobenzyl)- $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -(2-nitrobenzyl)pyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(2-bromophenyl)ethyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-bromobenzyl)-5-chloropyrimidine-2,4-diamine;

(4-{[(2-{[2-(1H-indol-3-yl)ethyl]amino}-5-nitropyrimidin-4-yl)amino]methyl}cyclohexyl)methanaminium chloride;

$N$ -({3-[(2-[(2-chlorobenzyl)amino]-5-nitropyrimidin-4-yl)amino]methyl}cyclohexyl)methyl)guanidine;

3-({4-({[4-(aminomethyl)cyclohexyl]methyl}amino)-5-nitropyrimidin-2-yl}amino)methyl)phenol;

(4-{[(2-{[2-(1H-imidazol-4-yl)ethyl]amino}-5-nitropyrimidin-4-yl)amino]methyl}cyclohexyl)methanaminium chloride;

$N^2$ -(2-chlorobenzyl)- $N^4$ -({4-*cis*-[(dimethylamino)methyl]cyclohexyl)methyl}-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-chloro- $N^2$ -(2-chlorobenzyl)pyrimidine-2,4-diamine;

$N^2$ -(2-chlorobenzyl)-5-nitro- $N^4$ -(piperidin-4-ylmethyl)pyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -(2-phenylethyl)pyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -(3-phenylpropyl)pyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -(4-phenylbutyl)pyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -(2-phenylpropyl)pyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(4-methoxyphenyl)ethyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(3-methoxyphenyl)ethyl]-5-nitropyrimidine-2,4-diamine;



$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(2-methoxyphenyl)ethyl]-5-nitropyrimidine-2,4-diamine;

4-[(2-[(2-chlorobenzyl)amino]-5-nitropyrimidin-4-yl)amino)methyl]piperidine-1-carboximidamide;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(3,5-dichlorobenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -(5-aminopentyl)- $N^2$ -(2-chlorobenzyl)-5-nitropyrimidine-2,4-diamine ;

2-(benzylamino)-4-(1,4,6,7-tetrahydro-imidazo[4,5-c]pyridin-5-yl)-5-trifluoromethyl-pyrimidine ;

2-(4-chlorobenzylamino)-4-(1,4,6,7-tetrahydro-imidazo[4,5-c]pyridin-5-yl)-5-nitro-pyrimidine ;

2-(2-chlorobenzylamino)-4-(1,4,6,7-tetrahydro-imidazo[4,5-c]pyridin-5-yl)-5-nitro-pyrimidine ;

2-(benzylamino)-4-(1,4,6,7-tetrahydro-imidazo[4,5-c]pyridin-5-yl)-5-nitro-pyrimidine ;

or a tautomer, pharmaceutically acceptable salt, solvate, or amino-protected derivative thereof.

6. A compound according to claim 1, selected from:

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -[(2R)-1,2,3,4-tetrahydronaphthalen-2-yl]pyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(4-chlorophenyl)ethyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(3-methylphenyl)ethyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(4-methylphenyl)ethyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(3-fluorophenyl)ethyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(4-fluorophenyl)ethyl]-5-nitropyrimidine-2,4-diamine;

(1R,3R)-3-({[4-({[4-(aminomethyl)cyclohexyl]methyl}amino)-5-nitropyrimidin-2-yl]amino}methyl)-4,4-dimethylcyclohexanol;

$N^4$ -( {4-*cis*-[(dimethylamino)methyl]cyclohexyl}methyl)- $N^2$ -(1-naphthylmethyl)-5-nitropyrimidine-2,4-diamine;

$N^2$ -[2-(methylthio)benzyl]-5-nitro- $N^4$ -(piperidin-4-ylmethyl)pyrimidine-2,4-diamine;

5-nitro- $N^4$ -(piperidin-4-ylmethyl)- $N^2$ -{2-[(trifluoromethyl)thio] benzyl} pyrimidine-2,4-diamine;

$N^2$ -(1-naphthylmethyl)-5-nitro- $N^4$ -(piperidin-4-ylmethyl)pyrimidine-2,4-diamine;

$N^4$ -( {4-[(dimethylamino)methyl]cyclohexyl}methyl)- $N^2$ -[2-(methylthio)benzyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -( {4-[(dimethylamino)methyl]cyclohexyl}methyl)-5-nitro- $N^2$ -{2-[(trifluoromethyl)thio]benzyl} pyrimidine-2,4-diamine;

$N^4$ -( {4-[(dimethylamino)methyl]cyclohexyl}methyl)- $N^2$ -(1-naphthylmethyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{4-[(dimethylamino)methyl]benzyl}- $N^2$ -[2-(methylthio)benzyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{4-[(dimethylamino)methyl]benzyl}-5-nitro- $N^2$ -{2-[(trifluoromethyl)thio] benzyl}pyrimidine-2,4-diamine;

$N^4$ -[(1-methylpiperidin-4-yl)methyl]- $N^2$ -[2-(methylthio)benzyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -[(1-methylpiperidin-4-yl)methyl]-5-nitro- $N^2$ -{2-[(trifluoromethyl)thio] benzyl}pyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-methoxybenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -[2-(trifluoromethyl)benzyl]pyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,4-dichlorobenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[4-fluoro-2-(trifluoromethyl) benzyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(3-methylbenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(3-chlorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(4-bromobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-chloro-5-(trifluoromethyl) benzyl]-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,5-dichlorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -[2-(trifluoromethoxy) benzyl]pyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-chloro-6-methylbenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,3-dichlorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[3-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-chlorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^2$ -(2-chlorobenzyl)- $N^4$ -({4-[(dimethylamino)methyl]cyclohexyl}methyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,5-difluorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-ethoxybenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-methylbenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-fluorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(3-chloro-2-fluorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(1,1'-biphenyl-2-ylmethyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,4-difluorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,3-difluorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,6-difluorobenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-fluoro-3-(trifluoromethyl) benzyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(4-chloro-2-fluorobenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-bromobenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,3-dimethylbenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(methylthio)benzyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -{2-[(trifluoromethyl)thio]benzyl} pyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(3-fluorobenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(6-chloro-2-fluoro-3-methylbenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-chloro-6-fluoro-3-methylbenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -2-naphthyl-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(1-naphthylmethyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(4-chloro-2-methylbenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(5-chloro-2-methylbenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(3-chloro-2-methylbenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[5-fluoro-2-(trifluoromethyl)benzyl]-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(5-chloro-2-fluorobenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,3-difluoro-4-methylbenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(5-fluoro-2-methylbenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-bromo- $N^2$ -(2,5-dichlorobenzyl)pyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-bromo- $N^2$ -(2-bromobenzyl) pyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(cyclohexylmethyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-bromo- $N^2$ -[2-(trifluoromethyl)benzyl]pyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(difluoromethoxy)benzyl]-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-chloro-4-fluorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-chloro-3,6-difluorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -(2,3,5-trifluorobenzyl)pyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -2,3-dihydro-1H-inden-2-yl-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(4-chloro-1-naphthyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(4-methoxy-2-naphthyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -quinolin-6-ylpyrimidine-2,4-diamine;  
 $N^4$ -{[4-*trans*-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,3-dichlorobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(2-chlorophenyl)ethyl]-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(3-chlorophenyl)ethyl]-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -{[4-(aminomethyl)cyclohexyl]methyl}-5-bromo- $N^2$ -2-naphthylpyrimidine-2,4-diamine;  
4-([4-(aminomethyl)cyclohexyl]methyl)amino)-2-[(2-chlorobenzyl) amino]pyrimidine-5-carbonitrile;  
 $N^4$ -{[4-*trans*-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-bromobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -(7-aminoheptyl)- $N^2$ -(2-bromobenzyl)-5-nitropyrimidine-2,4-diamine;  
 $N^4$ -(7-aminoheptyl)- $N^2$ -(2,5-dichlorobenzyl)-5-nitropyrimidine-2,4-diamine;

*N*-( {4-[( {2-[(2-chlorobenzyl)amino]-5-nitropyrimidin-4-yl} amino) methyl]cyclohexyl} methyl)guanidine;

*N*<sup>4</sup>-{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro-*N*<sup>2</sup>-(2-nitrobenzyl)pyrimidine-2,4-diamine;

*N*<sup>4</sup>-{[4-(aminomethyl)cyclohexyl]methyl}-*N*<sup>2</sup>-[2-(2-bromophenyl)ethyl]-5-nitropyrimidine-2,4-diamine;

*N*<sup>4</sup>-{[4-(aminomethyl)cyclohexyl]methyl}-*N*<sup>2</sup>-(2-bromobenzyl)-5-chloropyrimidine-2,4-diamine;

*N*-( {3-[( {2-[(2-chlorobenzyl)amino]-5-nitropyrimidin-4-yl} amino)methyl]cyclohexyl} methyl)guanidine;

3-( {4-( {4-(aminomethyl)cyclohexyl]methyl} amino)-5-nitropyrimidin-2-yl]amino} methyl)phenol;

*N*<sup>2</sup>-(2-chlorobenzyl)-*N*<sup>4</sup>-( {4-cis-[(dimethylamino)methyl]cyclohexyl} methyl)-5-nitropyrimidine-2,4-diamine;

*N*<sup>2</sup>-(2-chlorobenzyl)-5-nitro-*N*<sup>4</sup>-(piperidin-4-ylmethyl)pyrimidine-2,4-diamine;

*N*<sup>4</sup>-{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro-*N*<sup>2</sup>-(2-phenylethyl)pyrimidine-2,4-diamine;

*N*<sup>4</sup>-{[4-(aminomethyl)cyclohexyl]methyl}-5-nitro-*N*<sup>2</sup>-(4-phenylbutyl)pyrimidine-2,4-diamine;

or a tautomer, pharmaceutically acceptable salt, solvate, or amino-protected derivative thereof.

7. A compound according to claim 1, selected from:

*N*<sup>4</sup>-( {4-[(dimethylamino)methyl]cyclohexyl} methyl)-*N*<sup>2</sup>-(1-naphthylmethyl)-5-nitropyrimidine-2,4-diamine;

*N*<sup>2</sup>-[2-(methylthio)benzyl]-5-nitro-*N*<sup>4</sup>-(piperidin-4-ylmethyl)pyrimidine-2,4-diamine;

5-nitro-*N*<sup>4</sup>-(piperidin-4-ylmethyl)-*N*<sup>2</sup>-{2-[(trifluoromethyl)thio] benzyl}pyrimidine-2,4-diamine;

*N*<sup>2</sup>-(1-naphthylmethyl)-5-nitro-*N*<sup>4</sup>-(piperidin-4-ylmethyl)pyrimidine-2,4-diamine;

*N*<sup>4</sup>-( {4-[(dimethylamino)methyl]cyclohexyl} methyl)-*N*<sup>2</sup>-[2-(methylthio)benzyl]-5-nitropyrimidine-2,4-diamine;

*N*<sup>4</sup>-( {4-[(dimethylamino)methyl]cyclohexyl} methyl)-5-nitro-*N*<sup>2</sup>-{2-[(trifluoromethyl)thio]benzyl}pyrimidine-2,4-diamine;

$N^4$  - ({4-[(dimethylamino)methyl]cyclohexyl}methyl)- $N^2$ -(1-naphthylmethyl)-5-nitropyrimidine-2,4-diamine;

$N^4$  - {4-[(dimethylamino)methyl]benzyl}- $N^2$ -[2-(methylthio)benzyl]-5-nitropyrimidine-2,4-diamine;

$N^4$  - {4-[(dimethylamino)methyl]benzyl}-5-nitro- $N^2$ -{2-[(trifluoromethyl)thio] benzyl} pyrimidine-2,4-diamine;

$N^4$  - [(1-methylpiperidin-4-yl)methyl]- $N^2$ -[2-(methylthio)benzyl]-5-nitropyrimidine-2,4-diamine;

$N^4$  - [(1-methylpiperidin-4-yl)methyl]-5-nitro- $N^2$ -{2-[(trifluoromethyl)thio] benzyl} pyrimidine-2,4-diamine;

$N^4$  - {[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-methoxybenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$  - {[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -[2-(trifluoromethoxy) benzyl]pyrimidine-2,4-diamine;

$N^4$  - {[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,3-dichlorobenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$  - {[3-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-chlorobenzyl)-5-nitropyrimidine-2,4-diamine;

$N^2$ -(2-chlorobenzyl)- $N^4$ -( {4-[(dimethylamino)methyl]cyclohexyl}methyl)-5-nitropyrimidine-2,4-diamine;

$N^4$  - {[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-bromobenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$  - {[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -[2-(methylthio)benzyl]-5-nitropyrimidine-2,4-diamine;

$N^4$  - {[4-(aminomethyl)cyclohexyl]methyl}-5-nitro- $N^2$ -{2-[(trifluoromethyl)thio]benzyl} pyrimidine-2,4-diamine;

$N^4$  - {[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(1-naphthylmethyl)-5-nitropyrimidine-2,4-diamine;

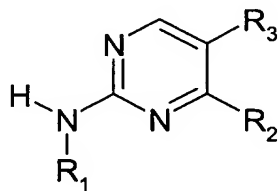
$N^4$  - {[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2,3-dichlorobenzyl)-5-nitropyrimidine-2,4-diamine;

$N^4$  - {[4-(aminomethyl)cyclohexyl]methyl}- $N^2$ -(2-bromobenzyl)-5-nitropyrimidine-2,4-diamine;

$N^2$ -(2-chlorobenzyl)-5-nitro- $N^4$ -(piperidin-4-ylmethyl)pyrimidine-2,4-diamine;

or a tautomer, pharmaceutically acceptable salt, solvate, or amino-protected derivative thereof.

8. A pharmaceutical composition comprising a compound according to claim 1, and at least one pharmaceutically acceptable carrier or adjuvant.
9. A method of treating a disease or disorder that is mediated or sustained through the activity of PKC-theta in a patient comprising administering to said patient a therapeutically effective amount of a compound according to claim 1.
10. A method of treating a disease or disorder associated with the activation of T cells in a patient comprising administering to said patient a therapeutically effective amount of a compound according to claim 1.
11. A method of treating an immunological disorder in a patient comprising administering to said patient a therapeutically effective amount of a compound according to claim 1.
12. A method of treating an inflammatory disease, an autoimmune disease, organ and bone marrow transplant rejection, acute or chronic inflammation, allergies, contact dermatitis, psoriasis, rheumatoid arthritis, multiple sclerosis, type I diabetes, inflammatory bowel disease, Guillain-Barre syndrome, Crohn's disease, ulcerative colitis, graft versus host disease or lupus erythematosus in a patient comprising administering to said patient a therapeutically effective amount of a compound according to claim 1.
13. A method of treating type II diabetes in a patient comprising administering to said patient a therapeutically effective amount of a compound according to claim 1.
14. A method of making a compound of the formula (I) below:

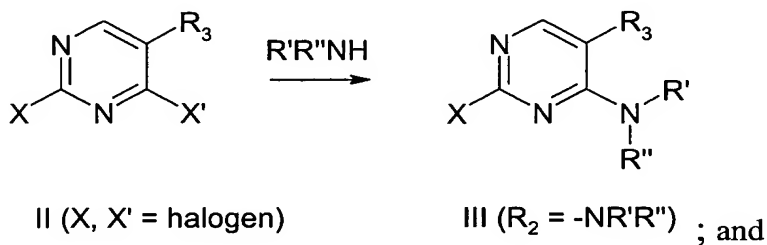


(I)

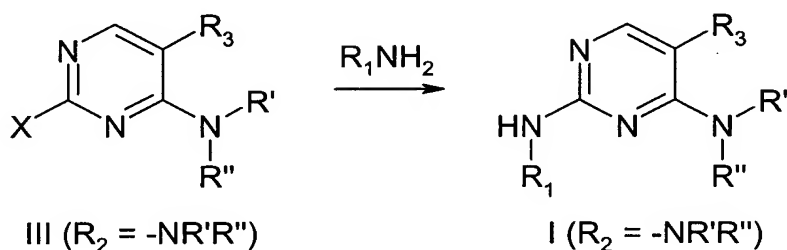


wherein  $R_1$ ,  $R_2$  and  $R_3$  are as defined in claim 1, said method comprising:

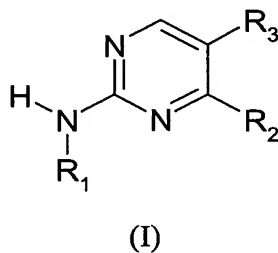
- (a) reacting the compound of formula (II), wherein X and X' are halogens, with an amine  $R'R''NH$ , wherein  $R_2 = -NR'R''$ , in the presence of a base to form a compound of formula (III):



- (b) reacting the compound of formula (III) with an amine  $R_1NH_2$  to form the compound of formula (I):

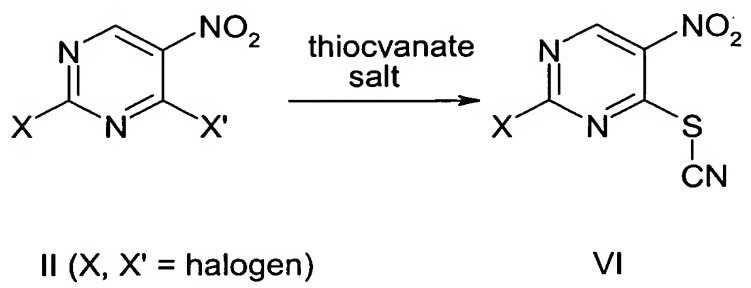


15. A method of making a compound of the formula (I) below:

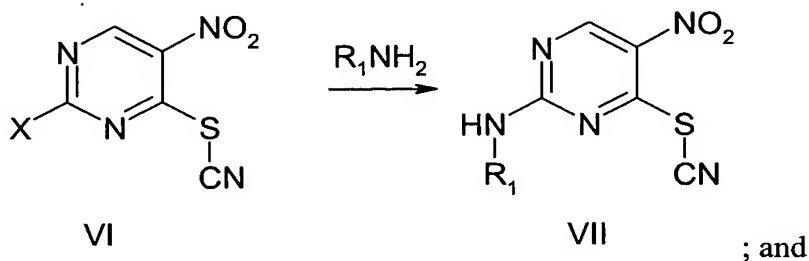


wherein  $R_1$  and  $R_2$  are as defined in claim 1 and  $R_3$  is  $NO_2$ , said method comprising:

- (a) reacting the compound of formula (II), wherein X and X' are halogens, with a thiocyanate salt to produce a compound of formula (VI):



- (b) reacting the compound of formula (VI) with  $R_1NH_2$  in the presence of a base to provide the compound of formula (VII):



- (c) reacting the compound of formula (VII) with an amine  $R'R''NH$ , wherein  $R_2 = -NR'R''$ , to provide the compound of formula (I):

